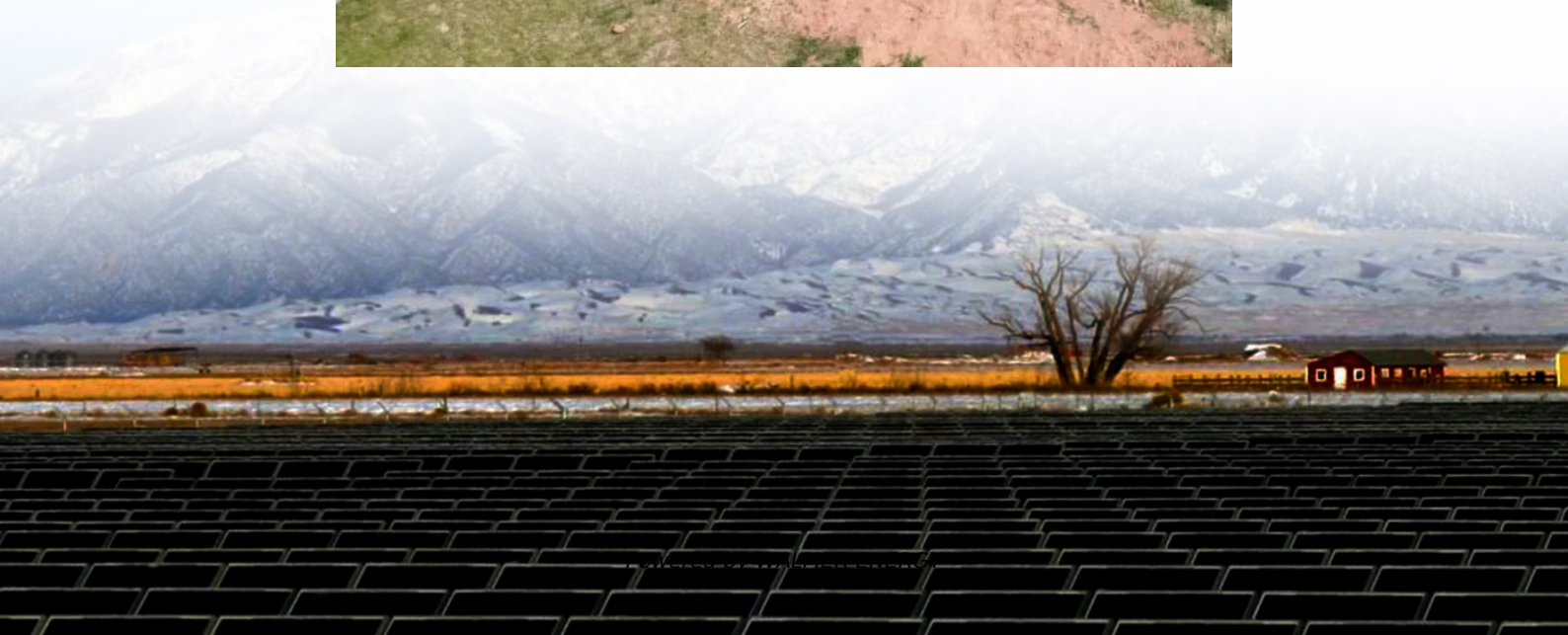


Conductive paste for battery pack





Overview

Why are thermally conductive adhesives important for EV battery packs?

Thermally conductive adhesives play a crucial role in electric vehicle (EV) battery packs by addressing the critical need for efficient heat management. EV battery packs generate significant heat during operation, which can negatively impact their performance, lifespan, and safety.

What is a battery pack adhesive?

The primary function of an adhesive is to bond two surfaces together that provides a sufficient mechanical hold. However, specialty adhesives with secondary features such as flame retardancy and thermal conductivity have additional elements that are of value when used in battery pack assemblies.

What is CNT conductive paste?

CNT paste helps reduce surface temperature during fast charging and discharging. It improves battery performance in low-temperature environments by maintaining conductivity. CNTs improve electrolyte absorption, enhancing the battery's cycle life and stability. CNT conductive paste can be used in the following batteries: 1.

What is a conductive coating on a battery?

Specifically, these conductive coatings are applied along the wall of battery cells to reduce electrical resistance between active materials and the aluminum foil, which improves charging and discharging performance. (See Figure 2.) Figure 2: Conductive coating applied to battery cell wall.



Conductive paste for battery pack

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